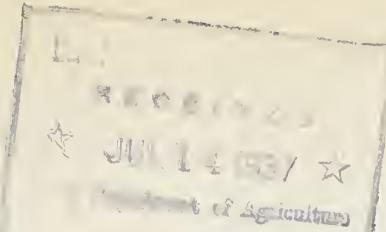


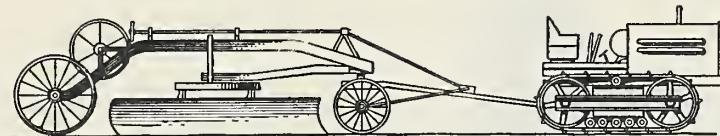
Historic, archived document

Do not assume content reflects current scientific knowledge, policies, or practices.

1.9
J. W. Koch



CONSTRUCTION



HINTS

UNITED STATES DEPARTMENT OF AGRICULTURE, FOREST SERVICE
WASHINGTON, D.C.

Vol. 3

July 9, 1937

No. 9

NOTICE TO READERS

Due to the press of other work, "Construction Hints" has not been published since the issue of April 17th.

Beginning with this issue, it will be published on the second and fourth Saturday of each month, instead of bi-weekly.

Although contributions from the field have been satisfactory, please send in more. This is your magazine; its value is directly reflected by the interest you show as expressed by contributions. All contributions should be sent through the Regional office.

Harold L. Friend

Harold L. Friend,
Editor.

(Over)

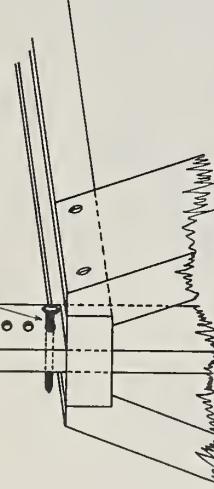
**ADJUSTABLE HORSES
FOR DRAFTING TABLE**
E.C.H. CAMP S-54
BUTLER N.J.

SCALE 1 1/2" = 1' 00FT.

The 1" x 2" wooden extensions are on both front and back of each horse. The drafting board can be relaxed or lowered back or front to any desired angle with the horizontal.

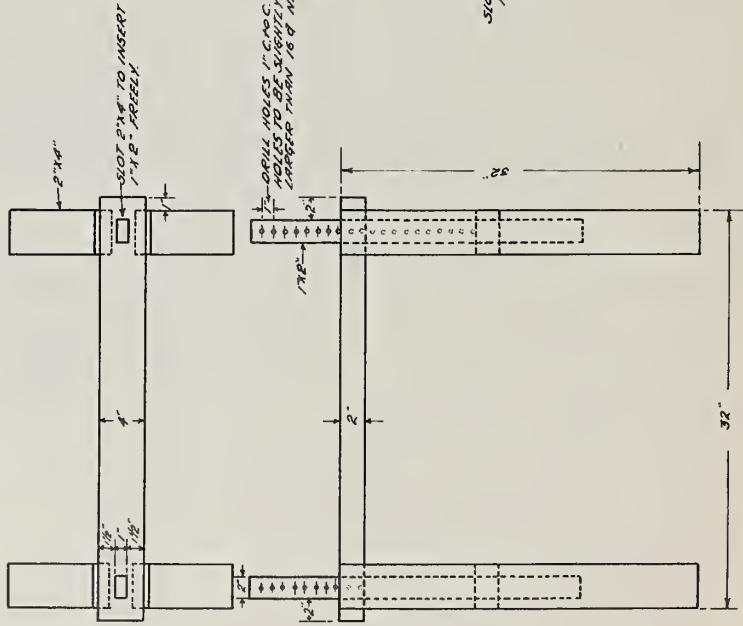
The 32" width of large size drafting board that may be available. The drafting board is not fastened to the wooden extensions. Cleats keep board from shifting sideways. An additional cleat might be added to back of drafting board to keep it from sliding forward when front of board is lower than back, which is usually the case.

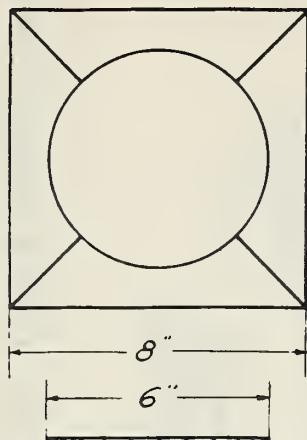
OPEN ON DRAFTING TABLE
TO RAISE OR LOWER TABLE
ADJUSTABLE HORSES, SEE DING
1 1/2" UP OR DOWN



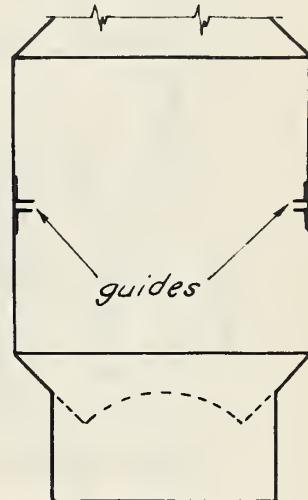
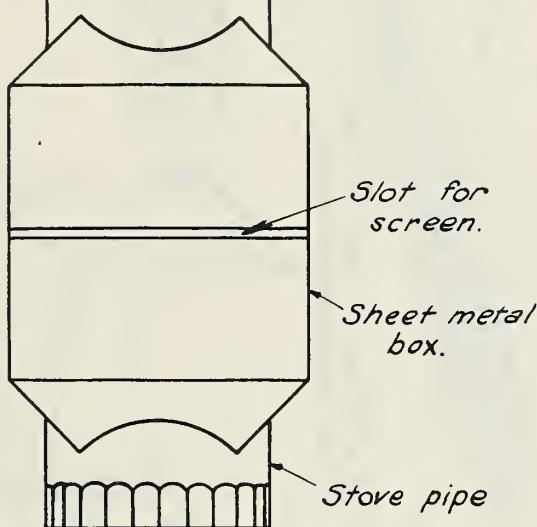
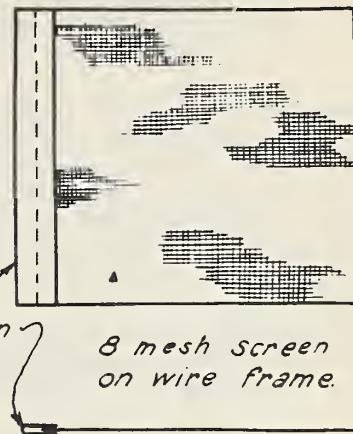
SCALE 3" = 1' 00FT.

MATERIAL LIST		
NO	SIZE	DESCRIPTION
1	2 1/2" x 1 3/8"	WOOD, BACK LEGS
2	2 1/2" x 1 3/8"	WOOD, SIDE LEGS
3	2 1/2" x 1 3/8"	WOOD, BACK
4	2 1/2" x 1 3/8"	WOOD, SIDE
5	2 1/2" x 10"	WOOD, BOARD
6	16 Q	NAILS



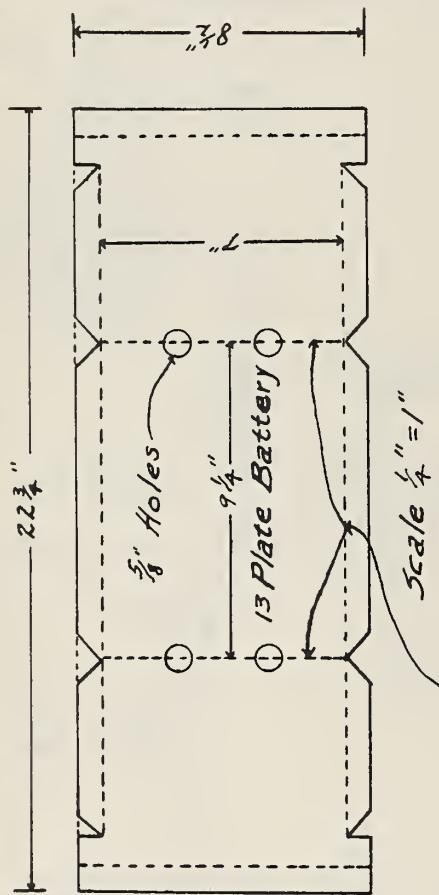


Sheet metal rolled over edge of screen



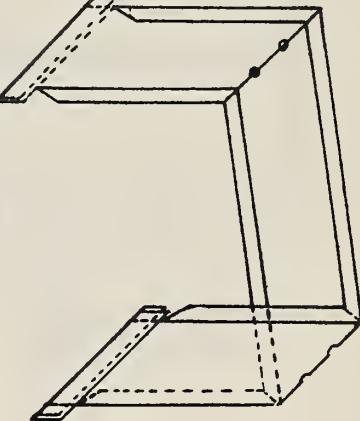
SECTION

U. S. FOREST SERVICE, REGION 6
 MECHANICAL IMPROVEMENTS & REPAIRS
SPARK ARRESTER FOR TENT STOVE.
 SUBMITTED BY E.H.MCARDLE
 FOREST OLYMPIC DATE 5/18/37
 PORTLAND ORE. SKETCH 024



Fold on dotted lines ($\frac{3}{8}$ " fold
90° to ends and bottom)

Ends fold over flat
and extend over and
suspend box on original
carrier bolts.



BATTERY REPLACEMENT
BOX
USED AT TENN. CAMP S-78
REGION 8
DRAWN BY P.M.DONNELL MARCH 11, 1937

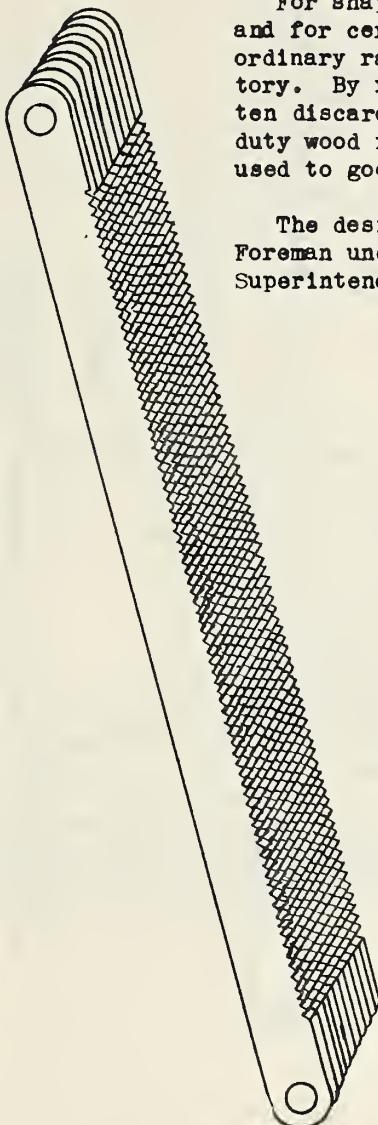
Constructed from 6 to 12 gauge sheet iron

WOOD RASP MADE FROM DISCARDED HACK-SAW
BLADES

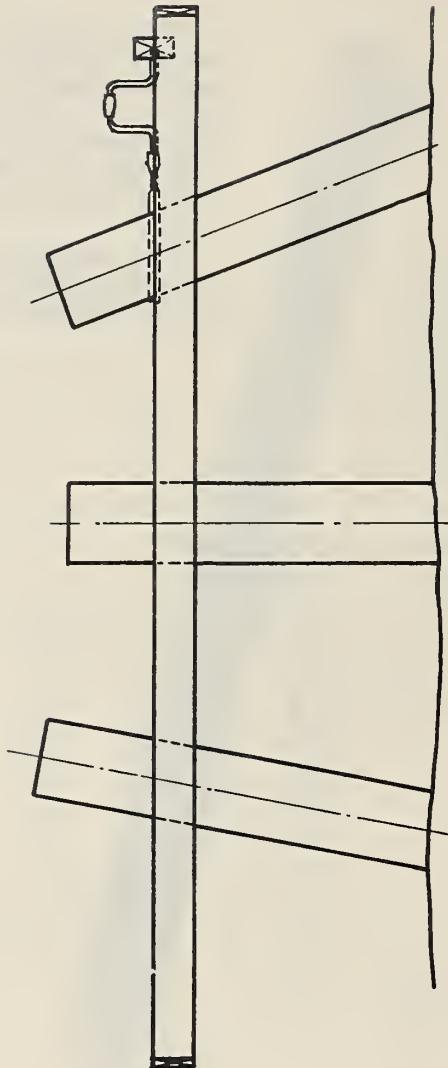
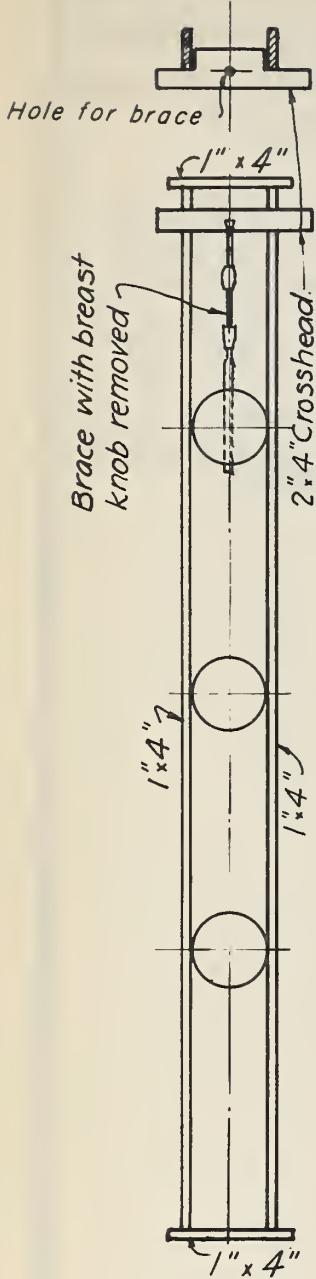
Design by B. Harkness, Squad Foreman
Camp Walkerville, F-26,
Bitely, Michigan.

For shaping the ends of large logs and for certain shaping on iron the ordinary rasp or file is not satisfactory. By riveting together eight or ten discarded hack-saw blades a heavy duty wood rasp results. It has been used to good advantage in this camp.

The design is by B. Harkness, Squad Foreman under the direction of Camp Superintendent K. W. MacKay.



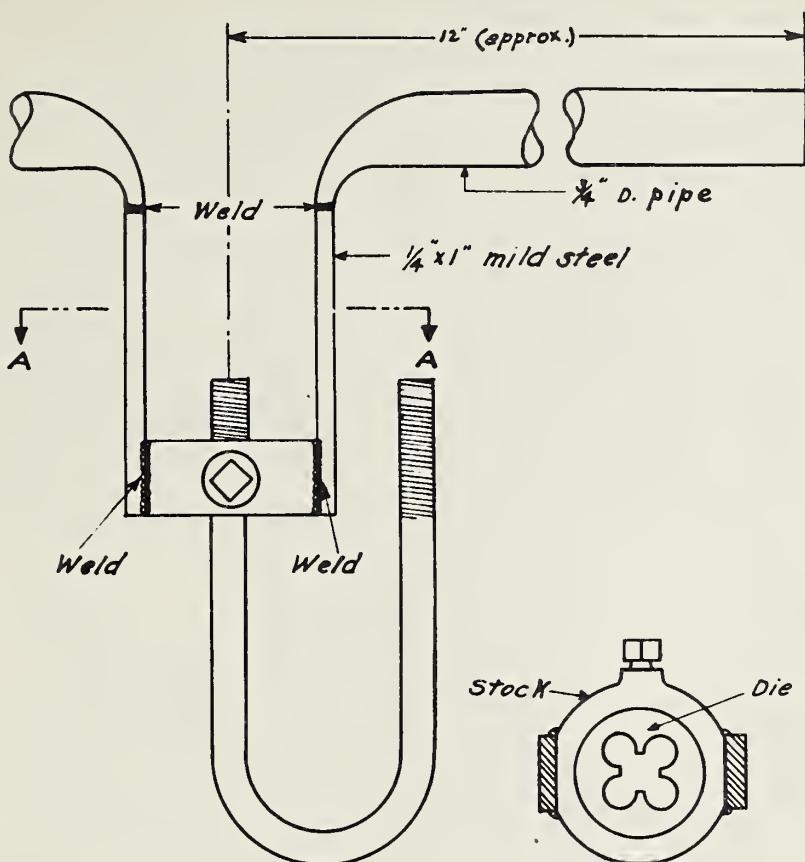
WOOD RASP
MADE FROM
OLD HACK-SAW BLADES
DESIGNED AT CAMP WALKERVILLE F-26
BY B.H. DRAWN BY C.A.



JIG FOR BORING HOLES IN LINE.

The jig shown by the above sketch was devised in order to bore holes that would be in true alignment in timbers with an appreciable gap between them and also which might not be parallel to each other. It is a simple device easily made and used, and should be of benefit where there is any considerable amount of such work.

Submitted by
Emil J. Kieser,
Foreman-Squaw Cr. Camp,
Bozeman, Montana.



SECTION A-A

The handles of an ordinary stock were removed and replaced with the fabricated handles as shown. This type of stock permits threading of "U" bolts without straightening the bolt.

U. S. FOREST SERVICE REGION 6
MECHANICAL IMPROVEMENTS & REPAIRS
**DEVICE FOR-
THREADING "U" BOLTS.**
SUBMITTED BY M.A. KARRE
FOREST OLYMPIA DATE 4-2-37
PORTLAND ORE. SKETCH 017

